

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	"4764732"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 09:13
L2	0	"4764732.pn."	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 09:13
L3	0	"476732".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 09:14
L4	1	"4764732".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:38
L5	1	"20050025504"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/21 10:42
L6	1	L5 and power near3 noise	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/21 13:08
L7	33	398/210.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/21 13:10
L8	529	398/202.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/21 13:10
S1	1	"20050025504"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/21 10:42
S2	553	huang near2 wei	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 09:57
S3	1	S2 and shkelev near2 yuriy	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 09:57
S4	1	shkelev near2 yuriy	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 11:29
S5	149338	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:08
S6	19442	S5 and (attenuat\$5 or rlc or three near2 resist\$5 or equalizer or constant near2 impedance)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 14:59

## EAST Search History

S7	11	S5 and (attenuat\$5 or rlc or three near2 resist\$5 or equalizer or constant near2 impedance) near7 parallel near7 amplifier same receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 11:40
S8	10	("5668794"   "5812537"   "5875246"   "5929896"   "5987098"   "6028684"   "6097533"   "6111679"   "6144784"   "6160659").PN. OR ("6381284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 11:42
S9	16	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and analog near2 receiver and amplifier\$1 with (equaliz\$6 or impedance or rlc or resistance or resistor\$1 or attenuat\$5) with parallel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 11:54
S10	24	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and analog near2 receiver and amplifier\$1 with (equaliz\$6 or impedance or rlc or resistance or resistor\$1 or attenuat\$5) with (switch\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:05
S11	19	S10 not S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:07
S12	17	("20020041637"   "20020126778"   "4761829"   "5031195"   "5451948"   "5509030"   "5515046"   "5617060"   "5617090"   "5905743"   "5943324"   "5999561"   "6037886"   "6052420"   "6307599"   "6606359"   "6683905").PN. OR ("6768441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 12:04
S13	278	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (analog near7 receiv\$5 or analog near7 rx) and (improv\$3 or correct\$3 or better\$3 or increas\$3 or elevat\$3 or boost\$3 or enhanc\$3 or promote or rectify or rais\$3 or tun\$3 or calibrat\$3 or adjust\$3 or regulat\$3 or mend\$3 or redtif\$3 or strengthen\$3) with (dynamic near3 range)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:16

## EAST Search History

S14	236	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (analog near4 receiv\$5 or analog near4 rx) and (improv\$3 or correct\$3 or better\$3 or increas\$3 or elevat\$3 or boost\$3 or enhanc\$3 or promote or rectify or rais\$3 or tun\$3 or calibrat\$3 or adjust\$3 or regulat\$3 or mend\$3 or redtif\$3 or strengthen\$3) with (dynamic near3 range)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:17
S15	169	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (analog near4 receiv\$5 or analog near4 rx) and (improv\$3 or correct\$3 or better\$3 or increas\$3 or elevat\$3 or boost\$3 or enhanc\$3 or promote or rectify or rais\$3 or tun\$3 or calibrat\$3 or adjust\$3 or regulat\$3 or mend\$3 or redtif\$3 or strengthen\$3) near7 (dynamic near3 range)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:17
S16	169	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (analog near4 receiv\$5 or analog near4 rx) and (improv\$3 or correct\$3 or better\$3 or increas\$3 or elevat\$3 or boost\$3 or enhanc\$3 or promote or rectify or rais\$3 or tun\$3 or calibrat\$3 or adjust\$3 or regulat\$3 or mend\$3 or redtif\$3 or strengthen\$3) near7 (dynamic near2 range)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 12:18
S17	5	("5867514").PN. OR ("6282218").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 12:58
S18	474	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (amplifier or amplification or amplify or amp) same (attenuator or (fixed or constant) near3 attenuat\$3 or fga or cga) same switch\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:01

## EAST Search History

S19	2	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (amplifier or amplification or amplify or amp) same (attenuator or (fixed or constant) near3 attenuat\$3 or fga or cga) same switch\$3 same dynamic\$3 near3 gain\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:03
S20	34	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (amplifier or amplification or amplify or amp) same (attenuator or (fixed or constant) near3 attenuat\$3 or fga or cga) same switch\$3 and dynamic\$3 near3 gain\$3 and receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:20
S21	33	("20020171917"   "5117196"   "5664131"   "5737118"   "5900968"   "5963361"   "5966237"   "5986799"   "6023366"   "6025947"   "6038063"   "6108123"   "6111688"   "6151158"   "6163399"   "6166850"   "6198571"   "6201636"   "6215584"   "6259553"   "6275330"   "6282017"   "6288836"   "6373625"   "6441955"   "6625433").PN. OR ("6690506"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:08
S22	143	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (amplifier or amplification or amplify or amp) with (attenuator or (fixed or constant) near3 attenuat\$3 or fga or cga) with switch\$3 and receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:22
S23	0	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (amplifier or amplification or amplify or amp) with (attenuator or (fixed or constant) near3 attenuat\$3 or fga or cga) with switch\$3 and receiver22 not S20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:21
S24	124	S22 not S20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:21

## EAST Search History

S25	38	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (fiber or optic\$4) and (amplifier or amplification or amplify or amp) with (attenuator or (fixed or constant) near3 attenuat\$3 or fga or cga) with switch\$3 same receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:24
S26	18	S24 and (dynamic near2 gain or npr or noise near4 power near4 ratio)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:24
S27	19	S24 and (dynamic near2 gain or npr or noise near4 power near4 ratio or cnr or carrier near4 noise near4 ratio)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:24
S28	38	S24 and (dynamic near2 gain or npr or noise near4 power near4 ratio or cnr or carrier near4 noise near4 ratio or snr)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:37
S29	9	("4764732" "4805236" "5008524" "5179461" "5386109" "5734300" "6057738" "6462327" "6545537").PN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 13:37
S30	6	("4424498"   "5015839"   "5212983"   "6047167"   "6169452"   "6208209").PN. OR ("6545537").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:41
S31	14	("4754231"   "5337006"   "5606285").PN. OR ("6047167").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:42
S32	3	("5602510"   "5646573"   "5994955").PN. OR ("6462327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:45
S33	10	("4350959"   "5708392").PN. OR ("6057738").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:46
S34	19	("3968361"   "4415803"   "4498001"   "4540952"   "4565974"   "4608542"   "4731529"   "5008524"   "5012202"   "5442321").PN. OR ("5734300").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:48
S35	7	("4563656"   "5532471"   "5734300"   "5812030"   "6229395"   "6246282"   "6303922").PN. OR ("6933786").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:50
S36	10	("5946608"   "5952883"   "5952887"   "6084478"   "6114686").PN. OR ("6246282").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:52

## EAST Search History

S37	7	("4563656"   "5532471"   "5734300"   "5812030"   "6229395"   "6246282"   "6303922").PN. OR ("6933786").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:55
S38	29	("3801933"   "3927383"   "4065668"   "4075576"   "4174503"   "4420724"   "4535233"   "4555623"   "4563656"   "4574249").PN. OR ("4764732").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:57
S39	16	("3408579"   "4429967"   "4459475"   "4574249"   "4718119").PN. OR ("5812030").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:58
S40	19	("3968361"   "4415803"   "4498001"   "4540952"   "4565974"   "4608542"   "4731529"   "5008524"   "5012202"   "5442321").PN. OR ("5734300").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:59
S41	9	("4498197"   "4764732"   "4791286"   "4808810").PN. OR ("5386109").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:00
S42	20	("1822061"   "3551855"   "4045777"   "4295225"   "4659981"   "4789213"   "4859015"   "5010399"   "5029240"   "5029306"   "5089787").PN. OR ("5179461").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:00
S43	16	("4498001"   "4914402").PN. OR ("5008524").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:01
S44	20	("3611173"   "3968361"   "4027152"   "4415803"   "4473745"   "4498197"   "4608542").PN. OR ("4805236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:02
S45	29	("3801933"   "3927383"   "4065668"   "4075576"   "4174503"   "4420724"   "4535233"   "4555623"   "4563656"   "4574249").PN. OR ("4764732").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:04
S46	4	S45 and analog with receiver	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:57
S47	5	"398"/\$7.ccls. and switch\$3 near7 amplif\$8 near7 attenuat\$6 and analog with receiver	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:58
S48	379	dynamic near5 range with optical with receiver	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:59

## EAST Search History

S49	366	S5 and (attenuat\$5 or rlc or three near2 resist\$5 or equalizer or constant near2 impedance) with (spdt or single adj pole or single?pole or switch\$3) with amplif\$8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 15:10
S50	60	S49 and analog with receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 15:14
S51	13	(single?pole or single adj pole) near3 switch\$3 with amplifier with (attenuat\$5 or rlc or three near2 resist\$5 or equalizer or constant near2 impedance)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 15:24
S52	9	("4967201"   "5745076").PN. OR ("5940031").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:20
S53	10	("3943301"   "4037065"   "4419756"   "4598172"   "4607139").PN. OR ("4771449").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:21
S54	10	("4220979"   "4263624"   "4279005").PN. OR ("4353100").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:22
S55	9	("3381083"   "4315331"   "4353100"   "5212603"   "5296978"   "5321557"   "5469462").PN. OR ("6229950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 15:23
S56	12	((single?pole or single adj pole) near3 switch\$3) or spdt) same amplifier same (attenuat\$5 or rlc or three near2 resist\$5 or equalizer or constant near2 impedance) and (fiber or optic\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 15:25
S57	11	S56 not S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 15:25
S58	20	"4764732"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/20 17:06
S59	20	("20020153949"   "3737798"   "3760287"   "3918005"   "4535233"   "4564818"   "4724315"   "4764732"   "4772859"   "4914402"   "5010588"   "5345073"   "5382920"   "5532471"   "5646573"   "6037841"   "6057738"   "6084478"   "6114913"   "6122131").PN. OR ("7023271").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:14

## EAST Search History

S60	9	S59 and switch\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:14
S61	10	("3999060"   "4608542"   "4939475").PN. OR ("5382920"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:17
S62	3	S61 and switch\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:18
S63	21	("3053985"   "3092729"   "3209266"   "3604941"   "3701036").PN. OR ("3999060").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 17:18
S64	11	S63 and switch\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 09:12